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	AQ			r Susceptibility Gene Is Located in C Vol. 88, No. 1, pp. 143-154, 1997.	Chromosome	l I Band pl	5 and Is M	utated in
	Sancho, et al., "Role of UEV-1, an Inactive Variant of the E2 Ubiquitin-Conjugating Enzymes, in In Vitro AR Differentiation and Cell Cycle Behavior of HT-29-M6 Intestinal Mucosecretory Cells", Molecular and Cellular Biology, Vol. 8, No. 1, pp. 576-589, 1998.							
	AS Li, et al., "A TSG101/MDM2 regulatory loop modulates MDM2 degradation and MDM2/p53 feedback control", Proc. Natl. Acad. Sci. USA, Vol. 98, No. 4, pp. 1619-1624, 2001.							
Br AT Pornillos, et al., "Structure and functional interactions of Tsg101 UEV domain", EMBO Journal, Vol. 21, No. 10, pp. 2397-2406, 2002.					21, No.			
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Filing Date	January 18, 2002			
First Named Inventor	LI, LIMIN			
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	U.S. PATEN	T DOCUMENTS	
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FOREIGN PATENT DOCUMENTS						
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35		(1997). (1997).	+
		HITTLELMANN, et al. "Differential regulation of glucocorticoid receptor transcriptional activation via AF-1-associated proteins", The EMBO J. Vol. 18(19): 5380-5388 (1999).	+-
		All in the ubiquitin family", Science Vol. 289: 563-564 (2000)	
		HONDA, et al. "Association of p19 ^{ARF} with Mdm2 inhibits ubiquitin ligase activity of Mdm2 for tumor suppressor p53", The EMBO J. Vol. 18(1): 22-27 (1999).	-
		Cell Vol. 3: 181-193 (1999).	
		JONES, et al. "Rescue of embryonic lethality in Mdm2-deficient mice by absence of p53", Nature Vol. 378: 206-208 (1995).	-
_		KOONIN, et al. "TSG101 may be the prototype of a class of dominant negative ubiquitin regulators", Nature Genetics Vol. 16: 330-331 (1997).	
		KUBBUAT, et al. "Regulation of p53 stability by Mdm2", Nature Vol. 387: 299-303 (1997).	-
		LANE, et al. "MDM2 – arbiter of p53's destruction", Trends Biochem. Sci. Vol. 22: 372-374 (1997).	
		LEE, et al. "Aberrant splicing but not mutations of TSG101 in human breast cancer", Cancer Research, Vol. 57: 3131-3134 (1997).	
\prod		LEVINE, et al. "The spectrum of mutations at the p53 locus: Evidence for tissue-specific mutagenesis, selection of mutant alleles, and a "gain of function" phenotype", Ann. NY Acad. Sci. Vol. 768: 111-128 (1995).	
		LEVINE. "p53, the cellular gatekeeper for growth and division", Cell Vol. 88: 323-331 (1997).	
		LI, et al. "tsg101: A novel tumor susceptibility gene isolated by controlled homozygous functional knockout of allelic loci in mammalian cells", Cell Vol. 85: 319-329 (1996).	
BH	1 '	MCMASTERS, et al. "mdm2 deletion does not alter growth characteristics of p53-deficient embryo fibroblasts", Oncogene Vol. 13: 1731-1736 (1996).	

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1		OLSON, et al. "Identification and characteristics."			
+		OLSON, et al. "Identification and characterization of multiple mdm-2 proteins and mdm-2- p53 protein complexes" Oncogene Vol. 8: 2353-2360 (1993).			
7-1		36031-36034 (1999)	\vdash		
+-		PONTING, et al. "The breast cancer gene product TSG101: A regulator of ubiquitination?", J. Mol. Med. Vol. 75: 467-469 (1997).			
+		PRIVES. "The MDM2-p53 circuit", Cell Vol. 95: 5-8 (1998).			
		ROTH, et al. "Nucleo-cytoplasmic shuttling of the hdm2 oncoprotein regulates the levels of the p53 protein via a pathway used by the human immunodeficiency virus rev protein", The EMBO J. Vol. 17(2): 554-564 (1998).			
+		RULAND, et al. "p53 accumulation, defective cell proliferation, and early embryonic lethality in mice lacking tsg101", PNAS Vol. 2004, 1976			
11	-	SHERR, et al. "The ARF/p53 pathway", Curr. Opin. Genet. Dev. Vol. 10: 94-99 (2000). SUN, et al. "Frequent abnormalities of TSS 164.			
+	\dashv	SUN, et al. "Frequent abnormalities of TSG101 transcripts in human prostate cancer", SUN et al. "Frequent abnormalities of TSG101 transcripts in human prostate cancer", SUN et al. "Frequent abnormalities of TSG101 transcripts in human prostate cancer",			
+-		SUN, et al. "Tumor susceptibility gene 101 protein represses androgen receptor transactivation and interacts with p300", Cancer Vol. 86: 689-696 (1999).			
++		grade and p53 status in breast cancers. Occasion of TSG101: Association to high tumor			
++		structure of the Mms2/Ubc13 heterodimor" Call Val Annual assembly: crystal			
1	/ V	VOUSDEN, et al. "p53: Death Star", Cell Vol. 103: 691-694 (2002). NAGNER, et al. "Genomic architecture and transcriptional activation of the mouse and transcriptional activation of the mouse and transcriptional activation."			
	<u> </u>	Illernative splice variants" Oncogene Vol. 17, 1770 (spes of shorter transcripts are true			
r	1	VARD, et al. "Degradation of CFTR by the ubiquitin-proteasome pathway", Cell Vol. 83:	\dashv		

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W		WATANABE, et al. "A putative tumor suppressor, TSG101, acts as a transcriptional suppressor through its coiled –coil domain", Biochem. Biophys. Res. Commun. Vol. 245:	 				
		WEISSMAN. "Themes and variations on ubiquitylation", Nature Reviews Vol. 2:169-178					
		XIE, et al. "Cell cycle-dependent subcellular localization of the TSG101 protein and mitotic and nuclear abnormalities associated with TSG101 deficiency", Proc. Natl. Acad. Sci. USA Vol. 95: 1595-1600 (1998).					
W		ZHANG, et al. "ARF promotes MDM2 degradation and stabilizes p53: ARF-INK4a locus deletion impairs both the Rb and p53 tumor suppression pathways", Cell Vol. 92: 725-734 (1998).					

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